

In re the Rule 1.53(b) Divisional Application of U.S. Serial No. 09/407,304
Applicants: **Yoshimi TOCHISHITA, et al.**
Docket No.: **991074B**

REMARKS

Claims 46-52 are pending. Prompt and favorable action on the merits is earnestly solicited.

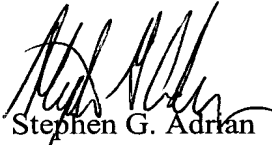
A marked-up version of the amendments to the specification is attached and entitled "VERSION WITH MARKINGS TO SHOW CHANGES MADE." Also attached is a substitute Abstract of the Disclosure.

Should the Examiner deem that any further action by applicant would be desirable to place the application in better condition for allowance, the Examiner is encouraged to telephone applicant's undersigned attorney.

In the event that any fees are due in connection with this paper, please charge our Deposit Account No. 01-2340.

Respectfully submitted,

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Enclosures: Version with Markings to Show Changes Made
Substitute Abstract of the Disclosure
Information Disclosure Statement

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

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IN THE SPECIFICATION:

The paragraph beginning at page 1, line 6, has been amended as follows:

The present invention relates to a surface treating process, and in particular, a surface treating process for forming a deposited film of a metal such as aluminum, zinc and tin, or a metal nitride such as titanium nitride on the surface of a sintered product such as, for example, a rare earth metal-based magnet liable to be oxidized, and the like, thereby ensuring that the sintered product such as the rare earth metal-based magnet has [a] an oxidation resistance.

The paragraph beginning at page 2, line 12, has been amended as follows:

In the above conventional surface treating process, however, the substantially uniform vapor-deposition can be performed certainly. However, because the works are piled one on another within the cage-like container, it cannot be avoided that some deposition nonuniformity is produced. Therefore, it has been desired to propose a surface treating process by which a further uniform surface treatment can be performed. Many of rare earth metal-based magnet articles such as Nd-Fe-B based magnet articles, for example, resulting from the processing treatment, are rectangular parallelepiped, hard and moreover, [has] have sharp corners. For this reason, the following problem is arisen: The corners collide with one another during the vapor deposition treatment, whereby the deposited film on the surface is peeled off and in a severe case, the corners of a product are chipped, resulting in a poor yield. Particularly, in a case of a large-sized article, there is a problem that the weight is large, and the collision energy is large, resulting in an extremely reduced yield. In a case

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The paragraph beginning at page 7, line 16, has been amended as follows:

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The paragraph beginning at page 12, line 19, has been amended as follows:

Thus, by such [the] uniform surface treatment of the works in the spaced-apart states, a film of a soft metal such as aluminum, tin and zinc or a hard metal nitride such as titanium nitride can be deposited uniformly even on a hard and brittle sintered article.

The paragraph beginning at page 15, line 21, has been amended as follows:

According to a thirty [eight] eighth aspect and feature of the present invention, there is provided a surface treating apparatus, comprising a treating material source provided within a treating chamber, so that a treating material released from the treating material source is delivered

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to reach works for a surface treatment, and a means for rotating a support member supporting the works about a rotational axis.

The paragraph beginning at page 16, line 5, has been amended as follows:

According to a [forty] fortieth aspect and feature of the present invention, there is provided a surface treating apparatus, comprising a treating material source provided with in a treating chamber, so that a treating material released from the treating material source is delivered to reach works for a surface treatment, and a means for rotating a support member supporting the works about its axis and about a rotational axis.

09/407,304-1061901

ABSTRACT OF THE DISCLOSURE

AB

A surface-treating support member for supporting a plurality of works, including an upper cage and a lower cage including a plurality of compartments, so that the cages are openable and closeable in a lengthwise direction. A process for surface-treating a plurality of works rotates the works about their axes using the support member.

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